

AMENDMENTS TO THE CLAIMS:

Claims 1-28 (canceled)

Claim 29 (new): An electronic clinical thermometer comprising:

a measuring body including a power switch, a display and an incomplete temperature-measuring circuit lacking at least two electronic elements and being controlled by an integrated circuit;

a temperature sensing device including a measuring probe, a temperature sensing section, a connection seat and at least two electronic elements which are not present in said measuring body; and

a connection structure mounted between said measuring body and said temperature-sensing device and being a conductive member;

said electronic elements not present in said measuring body being a reference resistor and a temperature sensor;

wherein said connection structure is positioned between said measuring body and said temperature sensing device, said connection structure comprising a cap for keeping a plurality of resilient conductive members on said circuit, said resilient conductive members protruding partially out of said cap, a sliding slot formed on said connection seat for mounting a control board having one side being connected to said conductive wire of said temperature sensor, said control board being provided with metal contacts for the mounting of said reference resistor;

whereby when said measuring body is connected with said temperature sensing device via said connection structure, said incomplete electronic clinical thermometer circuit of said measuring body will be connected to said electronic elements of said temperature sensing device to form an effective and complete temperature measuring circuit.

Claim 30 (new): The clinical thermometer of claim 29, wherein said measuring body

comprises a top cover and a bottom cover made from hard plastic material, a front section of said bottom cover being formed with a slot on a top and a recess on a bottom, and two lateral sides of said front section of said bottom cover being each formed with an engaging block.

Claim 31 (new): The clinical thermometer of claim 29, wherein the measuring body is provided with a battery cover and contains flexible or rigid circuit board circuit on which are mounted said power switch, said display, a buzzer, and a light generator.

Claim 32 (new): The clinical thermometer of claim 29, wherein said connection seat is a hollow member provided at a top with a notch and at two lateral sides with an engaging slot which is configured to engage with an engaging block of a bottom cover, an inner side of a top front portion of said connection seat having a protuberance adapted to engage with a slot of said bottom cover.

Claim 33 (new): The clinical thermometer of Claim 29, wherein said measuring probe is made of stacked metal films with good conductivity, said temperature sensor and a part of a conductive wire being positioned between said stacked metal films, and said conductive wire is concentrically coiled or arranged into a wave shape.